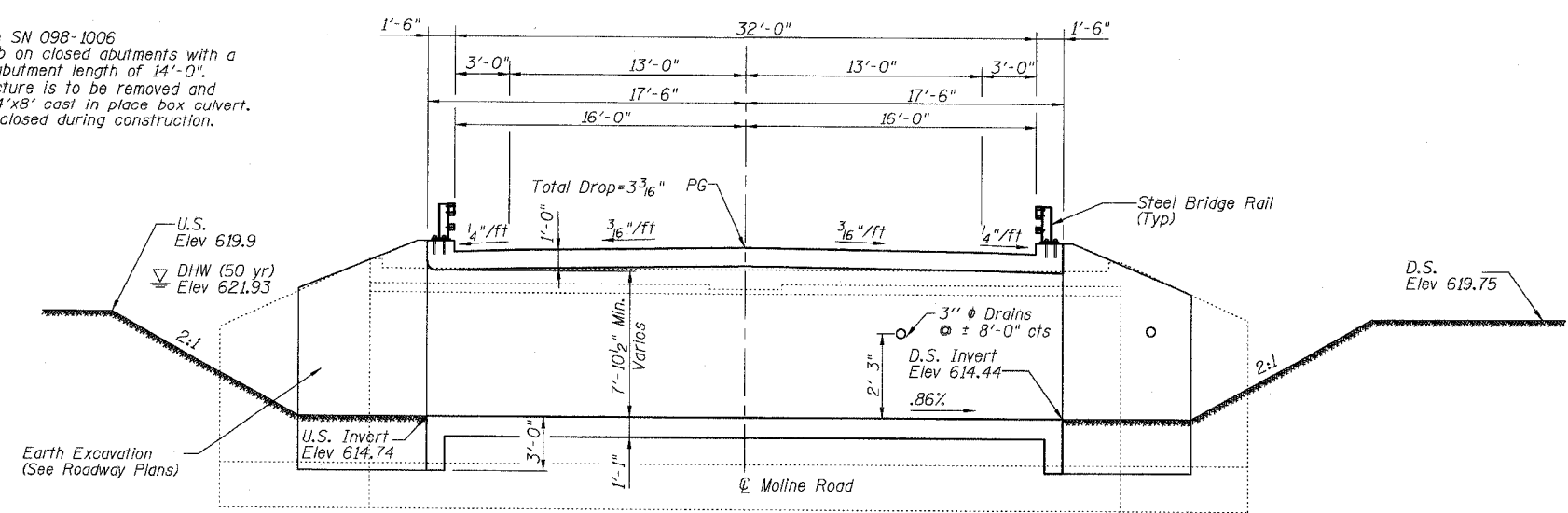


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

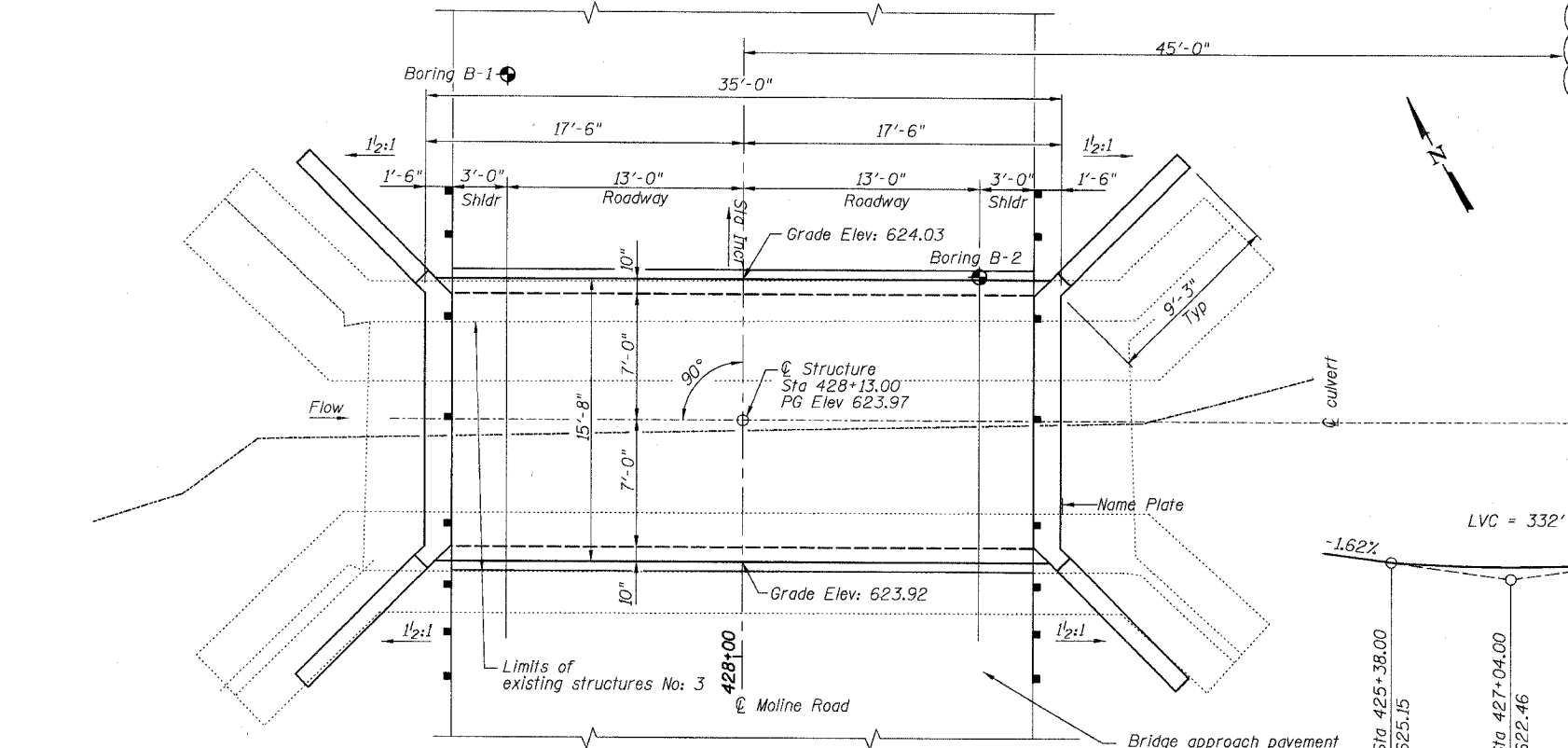
Bench Mark #409:
"□" cut on top of SW wingwall
of bridge, Sta 428+05.35, 21.4' Rt
Elev 623.39

Existing Structure SN 098-1006
A single span slab on closed abutments with a
back to back of abutment length of 14'-0".
The existing structure is to be removed and
replaced with a 14'x8' cast in place box culvert.
The Road will be closed during construction.

No salvage.



LONGITUDINAL SECTION



PLAN

Note:
Patch of wild petunias
NE of culvert should
be protected against
damage during all phases
of construction

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu.Yd.	76.4
Reinforcement Bars, Epoxy Coated	Pound	13820
Name Plates	Each	1
Steel Bridge Rail	Lin. Ft.	32
Bridge Deck Grooving	Sq. Yd.	53
Protective Coat	Sq. Yd.	69
Removal of Existing Structures No. 3	Each	1

STATION 428+13.00
BUILT BY
STATE OF ILLINOIS
F.A.S. RT. 1197 SEC. 105-T

LOADING HS20
STR. NO. 098-1013

NAME PLATE
See Std. 515001

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications 17th Edition

LOADING HS20-44
Allow 50# per Sq. Ft. for future
Wearing Surface

DESIGN STRESSES

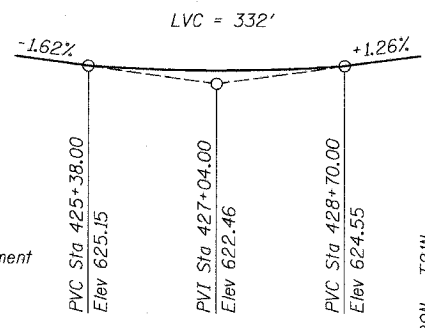
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

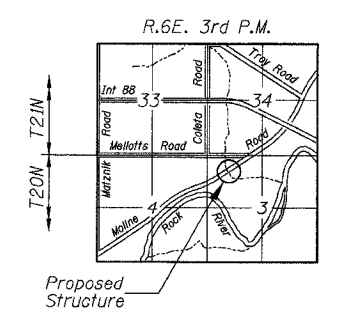
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN AND ELEVATION
FAS ROUTE 1197 - SECTION 105-T
WHITESIDE COUNTY
STATION 428+13.00
STRUCTURE NO. 098-1013

MID-AMERICA ENGINEERING SERVICES
975 South Durkin Dr, Springfield IL 62704



PROFILE GRADE



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 2.07 sq mi Low Grade Elev 623.64 @ Sta 427+24.75

Flood	Freq Yr	Q C.F.S.	Opening Sq Ft		Natural H.W. Elev.	Head-Ft		Headwater El	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	50	411	56.2	86.7	621.93	2.00	0.46	623.93	622.39
Base	100	465	57.7	88.5	622.06	2.11	0.55	624.17	622.61
Overtop Exist	30	363	54.6	--	621.80	1.76	--	623.56	--
Overtop Prop	500	590	--	92.5	622.35	--	0.74	--	623.09

DESIGNED	-	K.R.G.
CHECKED	-	J.L.K.
DRAWN	-	M.D.
CHECKED	-	J.L.K.



M. J. Katchen
Illinois Structural No. 081-005041 Date Expires: 11-30-2006